Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/03/2015 12:14 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123886	-1	4.69	123794	4.62
Blue	F	SSC	125000	123743	-2	3.08	124676	2.81
Blue	E	FITC	17998	17464	-3	2.67	985	9.63
Blue	D	PE	23234	22704	-3	2.19	1022	8.67
Blue	B	PerCP-Cy5-5	69571	68332	-2	2.92	1799	14.00
Blue	A	PE-Cy7	77815	76225	-3	4.14	990	27.40
Red	C	APC	65936	64974	-2	2.63	3664	8.28
Red	A	APC-Cy7	100669	99621	-2	2.59	1963	8.22
Violet	B	V450	10405	10003	-4	4.73	620	9.46
Violet	A	V500	47250	45324	-5	4.52	2561	6.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19005	24.73	622	43	N/A	N/A	Pass
Blue	F	SSC	61781	1.87	527	38	N/A	N/A	Pass
Blue	E	FITC	106	36.65	541	26	0.0214	80	Pass
Blue	D	PE	211	25.13	534	27	0.1484	108	Pass
Blue	B	PerCP-Cy5-5	216	43.41	622	32	0.0100	51	Pass
Blue	A	PE-Cy7	69	117.59	681	35	0.0124	20	Pass
Red	C	APC	339	26.87	591	13	0.0203	9	Pass
Red	A	APC-Cy7	122	38.73	572	13	0.0044	594	Pass
Violet	B	V450	66	46.90	479	29	0.0366	1951	Pass
Violet	A	V500	166	24.91	520	32	0.0131	622	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.59	47.70 - 71.54	N/A	N/A	-30.83	-30.64	0.68
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.20
Red	16.27	13.09 - 19.63	N/A	N/A	31.23	31.56	1.10

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 14079

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments